U.S. Department of Commerce
National Institute of Standards and Technology
Gaithersburg, MD 20899

Certificate Number: 98-129

National Type Evaluation Program

Certificate of Conformance

for Weighing and Measuring Devices

For:

Floor Scale Weighing Element
Digital Electronic
Model: PLF-(H)R3200-xxx*
n_{max}: 2000
e_{min}: 0.5 lb
Capacity: 1000 lb
Platform: 30" x 40"
Accuracy Class: III

Submitted by:

Fairbanks Scales
711 East St. Johnsbury Road
St. Johnsbury, VT 05819
Tel: (802) 748-5111
Fax: (802) 748-5216
Contact: Rick Sicard

Standard Features and Options

* The xxx suffix in the model designation represents non-metrological features

The "H "in the model number represents stainless steel construction
The absence of the H represents mild steel construction.

Load cells used: (4) Flintec Model SLB-500 (Certificate of Conformance Number 97-061)

Temperature Range: -10 °C to 40 °C (14 °F to 104 °F)

This device was evaluated under the National Type Evaluation Program (NTEP) and was found to comply with the applicable technical requirements of Handbook 44, "Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices." Evaluation results and device characteristics necessary for inspection and use in commerce are on the following pages.

Effective Date: August 13, 1998

Gilbert M. Ugiansky, Ph.D.
Chief, Office of Weights and Measures
Issue Date: November 12, 1998

Fairbanks Scales
Floor Scale Weighing Element
Model: PLF-(H)R 3200-xxx

Application: General purpose scale weighing element to be used with an approved and compatible indicating element.

Identification: The required information appears on a foil badge glued to the side of the scale.

Sealing: The weighing element has a junction box with corner adjustments under one of the side rails that can be sealed by threading a wire seal through two drilled head screws that secure the junction box cover. The overall sealing of the device is accomplished through the indicator, which is sealed according to the manufacturer's instructions.

Test Conditions: A Model PLF-(H) R3200, 1000 lb x 0.5 lb, load receiving element interfaced with a Fairbanks Model IND-R2300 indicator was submitted for evaluation.

The emphasis of the evaluation was on the device design, operation, marking requirements, and compliance with influence factor requirements. Several increasing/decreasing load and shift tests were conducted. The scales were tested over a temperature range of -10 °C to 40 °C (14 °F to 104 °F). A load of approximately one-half capacity was applied to the scale 100 366 times. The scale was tested periodically during this time.

The results of the evaluation indicate the device complies with applicable requirements of NIST Handbook 44.

Type Evaluation Criteria Used: NIST Handbook 44, 1998 Edition

Tested By: W. West (OH) 98-129